AUTODOC CLUB

How to change rear suspension lower control arm on **Mercedes W203** – replacement guide

VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
MERCEDES-BENZ 190 (W201) E 1.8 (201.018), MERCEDES-BENZ 190 (W201) 2.0 (201.022), MERCEDES-BENZ 190 (W201) E 2.0 (201.024), MERCEDES-BENZ 190 (W201) 2.0 (201.023), MERCEDES-BENZ 190 (W201) E 2.0, MERCEDES-BENZ 190 (W201) E 2.3-16, MERCEDES-BENZ 190 (W201) E 2.3-16 (201.034), MERCEDES-BENZ 190 (W201) E 2.3, MERCEDES-BENZ 190 (W201) E 2.3 (201.028), MERCEDES-BENZ 190 (W201) E 2.5-16, MERCEDES-BENZ 190 (W201) E 2.6, MERCEDES-BENZ 190 (W201) D 2.0 (201.122), MERCEDES-BENZ 190 (W201) D 2.5 (201.126), MERCEDES-BENZ 190 (W201) Turbo-D 2.5 (201.128), MERCEDES-BENZ 190 (W201) E Evolution II 2.5, (+ 331)

The steps may slightly vary depending on the car design.

REPLACEMENT: REAR SUSPENSION LOWER CONTROL ARM – MERCEDES W203. TOOLS YOU NEED:

- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #16
- HEX bit No.H5.
- XZN socket bit # 12
- Drive socket # 10
- Drive socket # 19
- Wheel impact socket #17
- Ratchet wrench
- Hammer
- Crow bar
- Tap wrench
- Ball joint puller
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: rear suspension lower control arm – Mercedes W203. AUTODOC experts recommend:

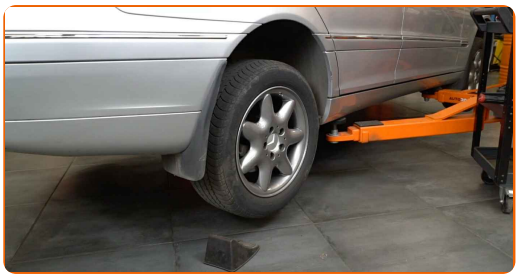
- The replacement procedure is identical for the left and right lower control arms.
- All work should be done with the engine stopped.

REPLACEMENT: REAR SUSPENSION LOWER CONTROL ARM – MERCEDES W203. USE THE FOLLOWING PROCEDURE:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #17.

3 Raise the rear of the car and secure on supports.



4 Unscrew the wheel bolts.

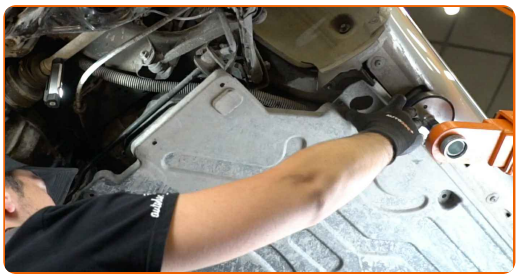
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. Mercedes W203

5 Remove the wheel.

6 Unscrew the fasteners of the plastic car body protective cover. Use a drive socket #10. Use a ratchet wrench.

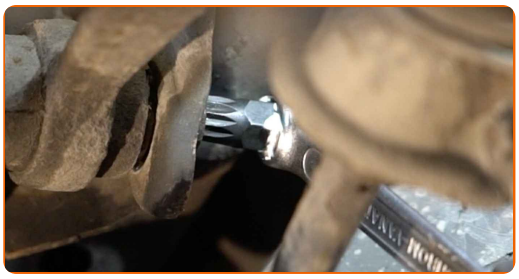
7 Remove the plastic car body protective cover.



8 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.

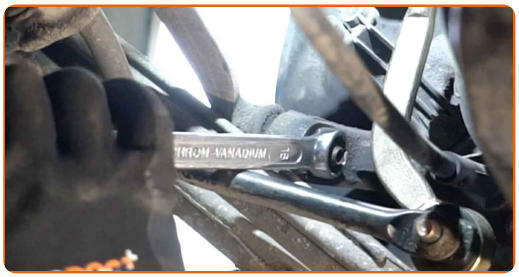
9 Make a mark on the camber adjustment bolt.

10 Unscrew the fastener connecting the control arm to the subframe. Use XZN #12. Use a drive socket #19. Use a tap wrench.



11 Remove the fastening bolt. Use a crowbar. Use a hammer.

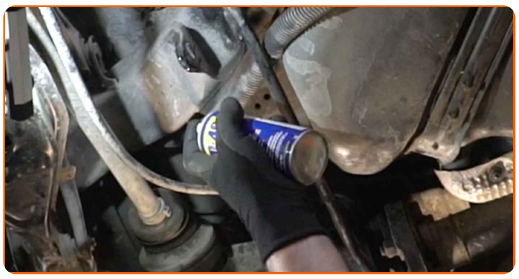
12 Unscrew the fastener connecting the control arm to the rear knuckle. Use a combination spanner #16. Use HEX No.H5. Use a ratchet wrench.



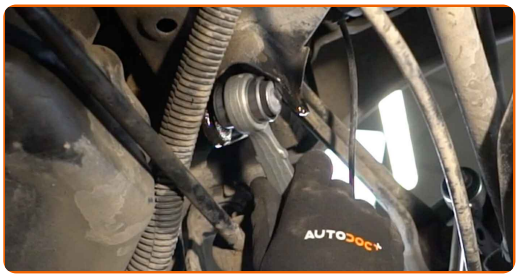
13 Detach the ball joint from the rear knuckle. Use a ball joint puller.

14 Remove the arm. Use a crowbar.

15 Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.



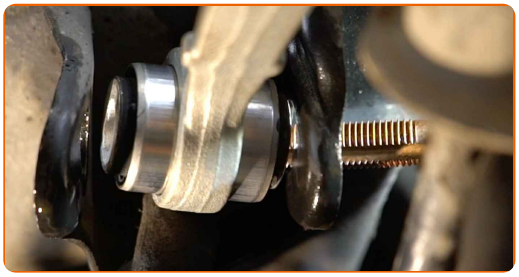
16 Install a new arm.



AUTODOC recommends:

- Replacement: rear suspension lower control arm – Mercedes W203. Use only new bolts and nuts for installation.
- Do not damage the ball joint cover.

17 Install the fastening bolt.



18 Attach the ball joint to the rear knuckle.

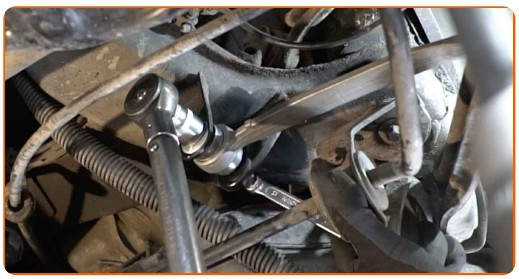
19 Screw in the fasteners connecting the control arm to the rear knuckle. Use a combination spanner #16. Use HEX No.H5. Use a ratchet wrench.

20 Adjust the position of the alignment bolt according to the mark.

21 Screw the fastener connecting the control arm to the subframe. Use XZN #12. Use a drive socket #19. Use a tap wrench.

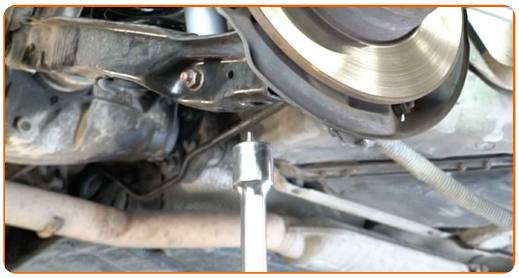
22 Support the arm. Use a hydraulic transmission jack.

23 Tighten the fastener connecting the control arm to the subframe. Use XZN #12. Use a drive socket #19. Use a torque wrench. Tighten it to 70 Nm torque.



24 Tighten the fastener connecting the control arm to the rear knuckle. Use a combination spanner #16. Use a torque wrench. Tighten it to 70 Nm torque.

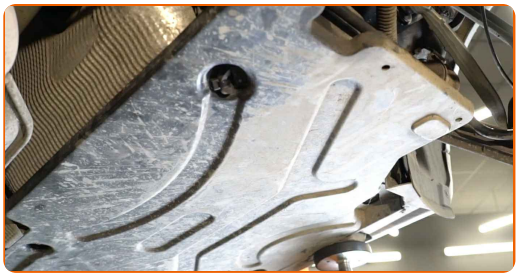
25 Remove the support from under the arm.



AUTODOC recommends:

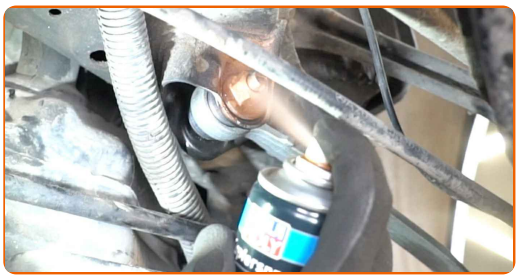
- Replacement: rear suspension lower control arm – Mercedes W203. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

26 Reinstall the plastic car body protective cover.



27 Screw in the fasteners of the plastic car body protective cover. Use a drive socket #10. Use a ratchet wrench.

28 Treat all joints of the arm. Use copper grease.



29 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

30 Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: rear suspension lower control arm – Mercedes W203. After applying the spray, wait a few minutes.

31 Install the wheel.

AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. Mercedes W203

32 Screw in the wheel bolts. Use wheel impact socket #17.

33 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 110 Nm torque.

34 Remove the jacks and chocks.

WELL DONE!

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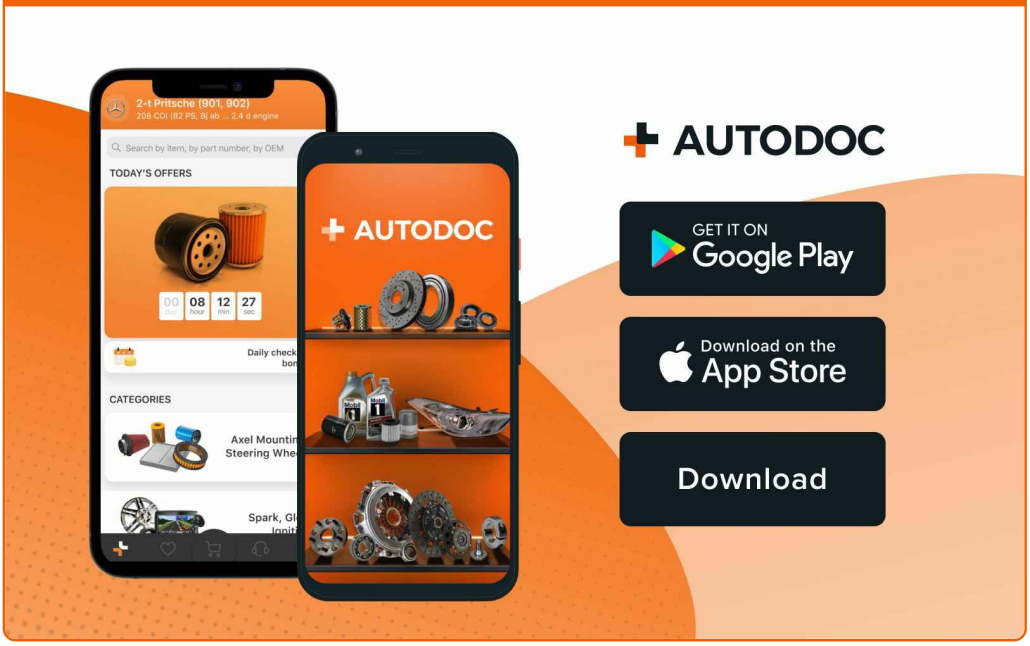

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